

No. 862,193.

PATENTED AUG. 6, 1907.

E. H. PARKER.

TRUSS.

APPLICATION FILED OCT. 19, 1906.

Fig. 1.

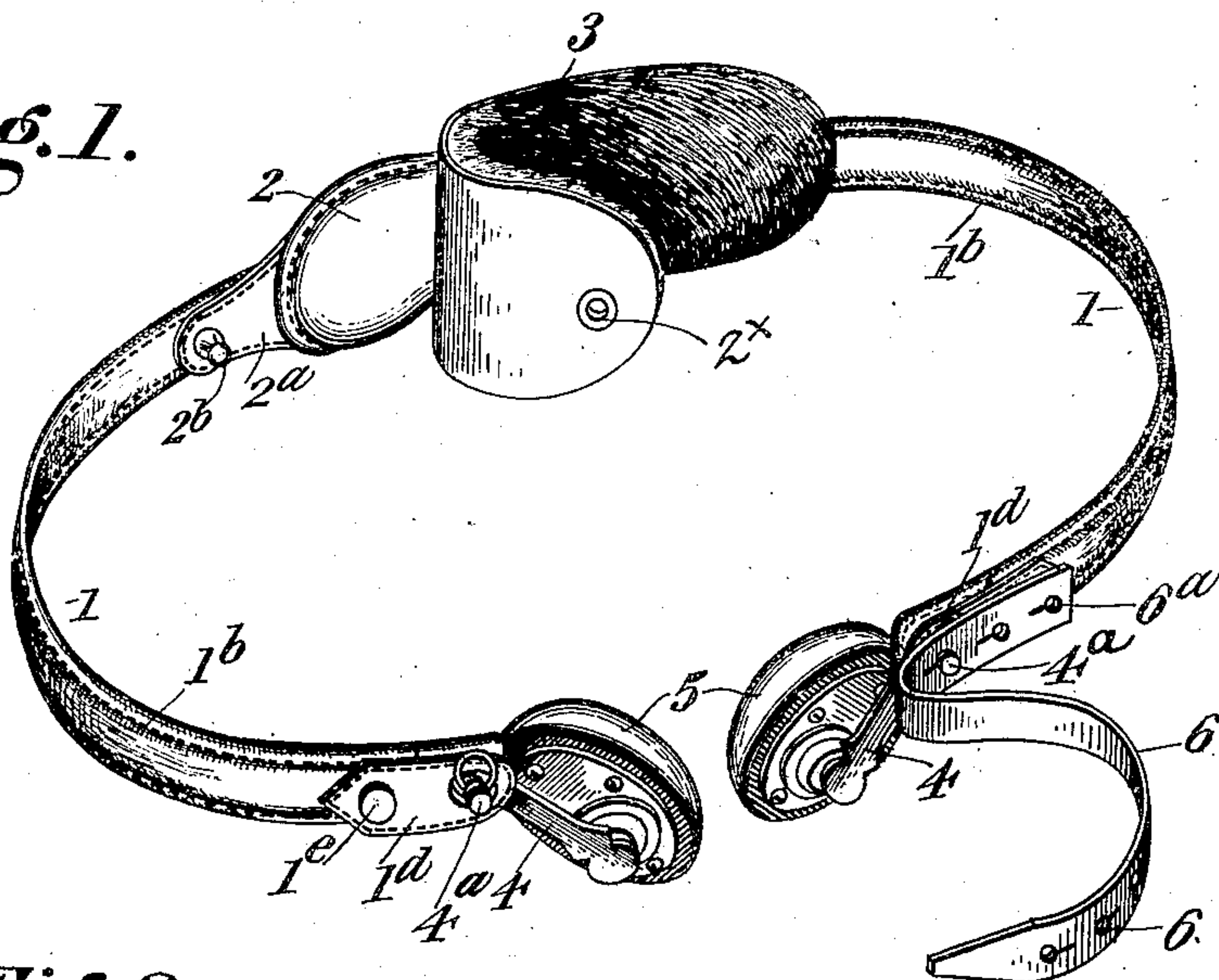


Fig. 2.

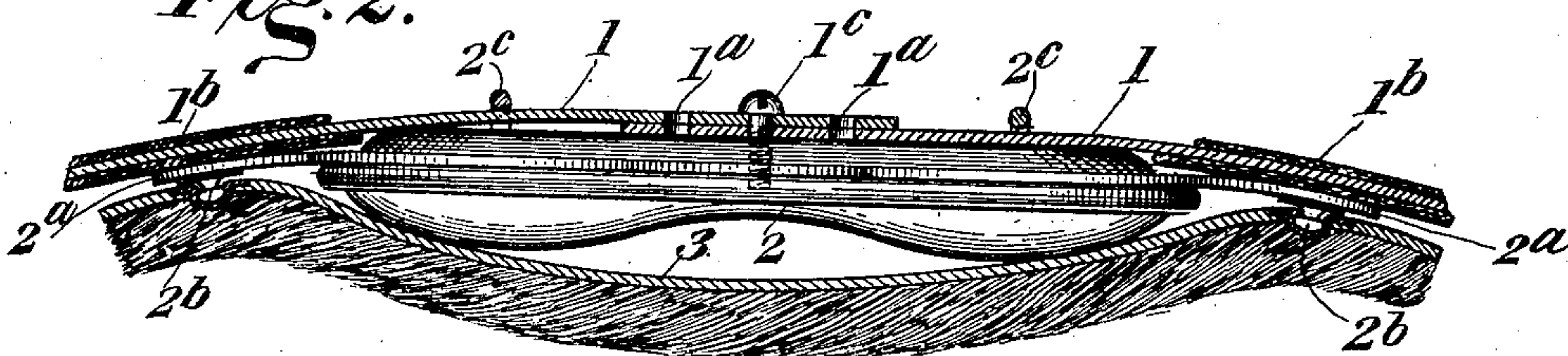


Fig. 3.

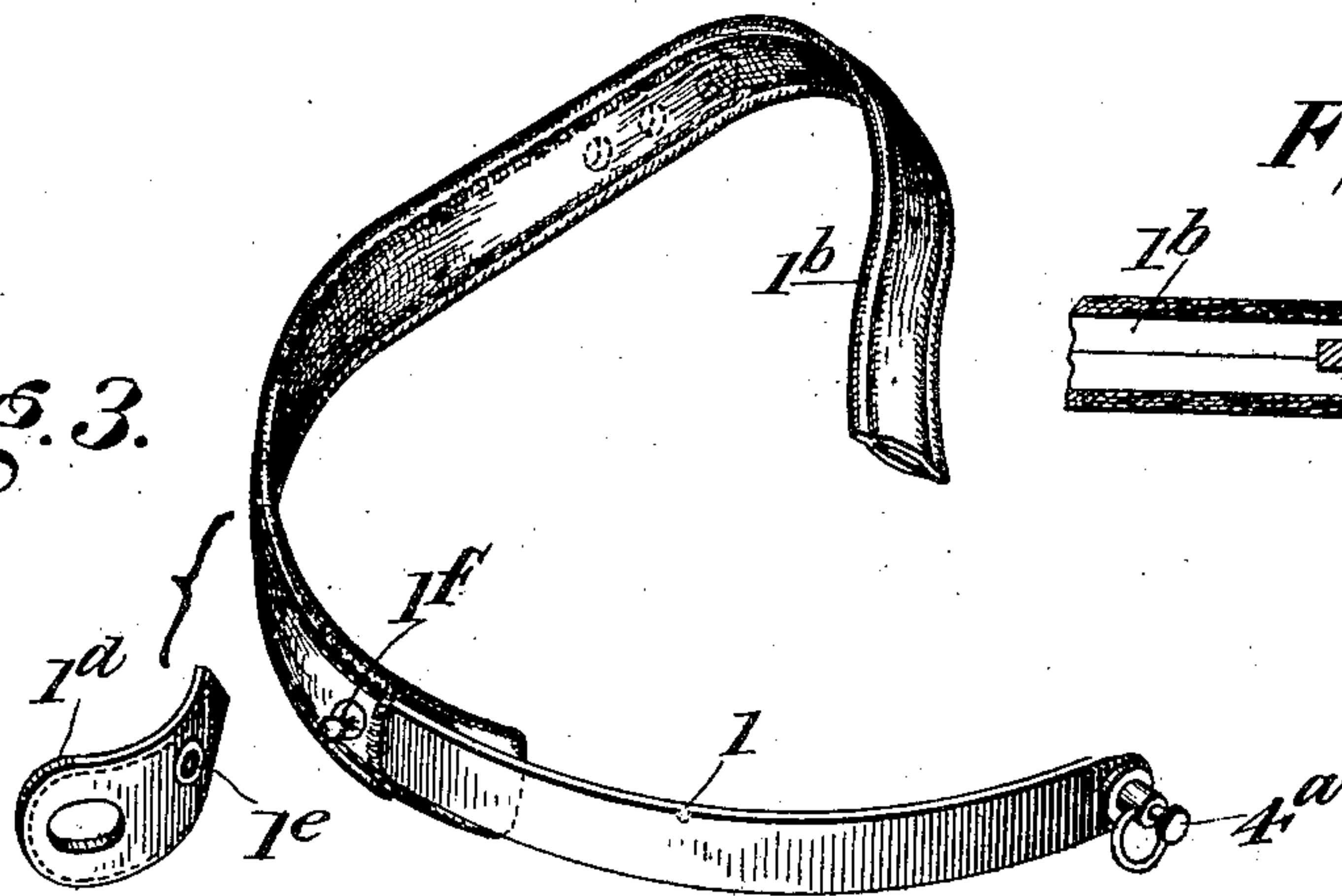
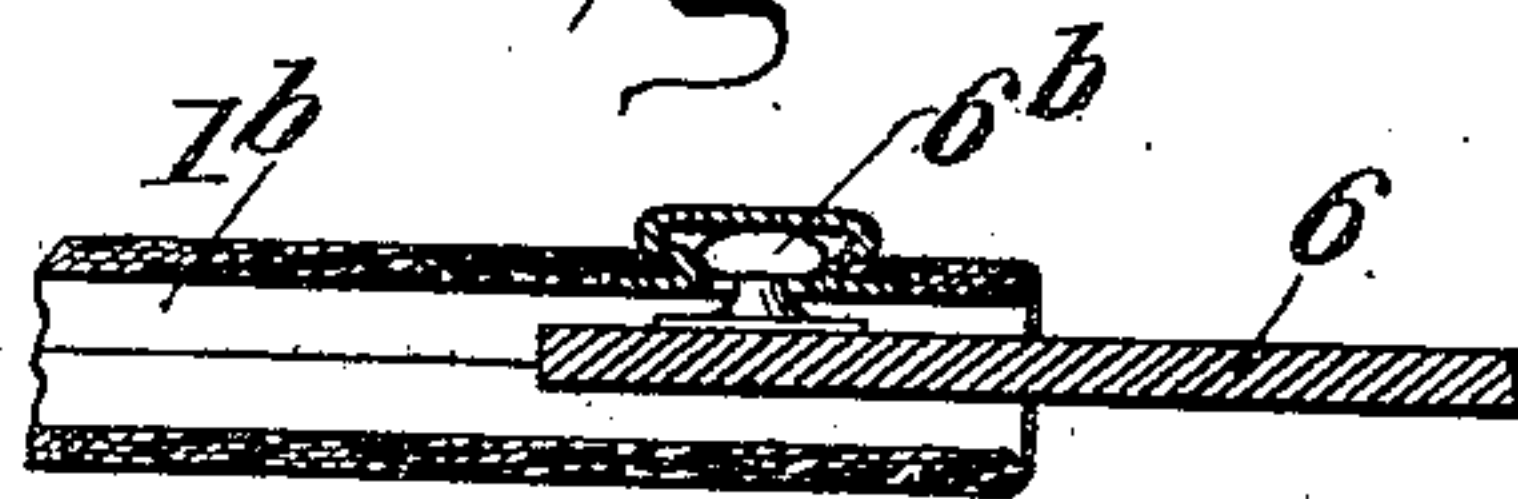


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

EMERY H. PARKER, OF CHICAGO, ILLINOIS.

## TRUSS.

No. 862,193.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed October 19, 1906. Serial No. 340,112.

*To all whom it may concern:*

Be it known that I, EMERY H. PARKER, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Trusses; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is an improvement in trusses, and its object is to provide for detachably attaching the leather parts to the textile covers of trusses in such a manner that they can be readily removed from the covers without ripping or damaging the cover or parts, and the covers can also be readily removed from the metal parts without any ripping. This construction allows the truss covers to be removed and cleansed or washed without injuring the metal or leather parts by water or acids, and the same leather parts can be readily re-attached to the covers thus enabling the covers and leather parts to be used and re-used indefinitely.

Another object of this invention is to enable the detachable back-pad shield of deer-skin or other material, and leather parts on a double truss to be readily attached or detached without ripping or injury to the covers, the leather parts, the back pad, or any portion of the truss.

The invention will be fully understood from the following explanation in connection with the drawings, which show a truss provided with removable covers and detachable leather parts and back-pad-shield, in accordance with the invention.

In the drawings—Figure 1 is a perspective view of a double truss provided with my improved detachable covers, leather parts and back pad shield. Fig. 2 is an enlarged horizontal section through the back pad and covers. Fig. 3 is a perspective view of a single truss member with the cover partially removed and one of the leather parts detached therefrom. Fig. 4 is a detail sectional view showing another mode of attaching the leather parts to the cover.

The truss, so far as the metal and main back pad portion thereof are concerned, may be of any suitable construction, either single or double.

I have shown in Fig. 1, a double truss composed of opposite spring-members 1, to the forward ends of which truss pads 5 are attached, and these spring-members are fastened at their rear ends to the back pad 2, of any suitable construction, by means of loops 2<sup>c</sup> and a screw 1<sup>c</sup>, passing through coincident perforations 1<sup>a</sup> in the spring-members, as usual.

The spring-members 1 are provided with covers 1<sup>b</sup> of fabric, or other material which can be washed or cleansed, and these covers are slipped endwise onto the spring-members.

The covers are detachably attached to the spring-members by means of leather parts 1<sup>d</sup> connected to the

front ends of the covers and provided with eyes adapted to engage pins 4<sup>a</sup> attached to the forward ends of the spring-members. The rear ends of the covers are held in place between the springs and the back cover 2.

The leather parts 1<sup>d</sup> are detachably attached to the covers, as by means of glove-fasteners. One member 1<sup>e</sup> of the glove fastener can be attached to the cover and the other member 1<sup>f</sup> can be attached to the leather part as indicated in Fig. 3. This enables the leather part to be readily removed from the cover, either before or after the cover is removed from the spring-member.

Instead of fastening the leather parts 1<sup>d</sup> to the exterior of the covers as in Fig. 1, they might, if desired, be telescoped into the end of the cover and fastened internally thereto by means of detachable fasteners, as indicated at 6<sup>b</sup> in Fig. 4.

The strap or binding leather 6, shown in Fig. 1, and ordinarily employed in double trusses, may be detachably attached to the pins 4<sup>a</sup> on the spring-members, as indicated in Fig. 1, of the drawings. These pins 4<sup>a</sup> are also ordinarily used to fasten the truss plates 4 to the spring-members.

The back-pad-shield 3 is detachably attached to the back pad 2 by means of suitable fasteners which may be glove fasteners, one member 2<sup>x</sup> of which is attached to each end of the back-pad-shield and is adapted to engage the other members 2<sup>b</sup> attached to flexible extensions 2<sup>a</sup> on the back pad.

By means of the construction described, it will be obvious that the covers 1<sup>b</sup> can be readily attached to or detached from the spring-members; that the leather parts 1<sup>d</sup> and 6, can be readily attached to or detached from the covers and spring-members; and that the cover can be cleansed or washed while detached, and all the parts can be easily replaced on the spring-members. The back-pad-shield 3 can be similarly readily removed from or replaced on the back pad 2.

I have shown glove fastener connections but I do not confine myself thereto, as other suitable readily detachable devices may be used to connect the leather parts to the cover.

Having fully described the nature and objects of my invention, what I claim as new and desire to secure by Letters Patent is:

1. In combination with a truss spring-member, a removable cover therefor, and truss leather parts detachably attached to said cover and adapted to engage a retainer on the spring-member to fasten the cover in position.

2. In combination with the back pad of a truss having flexible extensions at its ends, of a skin-back-pad shield detachably attached to said extensions.

3. The combination with a double truss, spring-members detachably attached to the back pad of the truss, removable covers slipped on said spring-members and leather fastening devices detachably attached to said covers and engaging retaining devices on the spring-members.

4. In combination with a spring-member of a truss, a removable textile cover therefor adapted to be slipped end-wise thereon, a truss leather-part adapted to be detachably attached to said cover and to the spring-member to retain the covering in position on said member, and glove fastener devices detachably connecting the leather-part to the cover.
5. The combination of a truss having a back pad, a skin-back-pad-cover and means for detachably attaching the said cover to the back pad, opposite spring-members attached to the back pad, truss pads on the forward ends of said members, removable textile covers adapted to be slipped on said members, leather-parts detachably attached on the forward ends of said covers and detachably engaging retaining devices on the said members, and a fastening strap detachably connected to the spring-members and covers, substantially as described.
6. In combination with a truss spring-member, a fabric

cover therefor adapted to be slid thereon, and leather parts detachably connected to said cover, and removable therefrom when the cover is to be washed.

7. The combination of a truss having a back pad, opposite spring-members attached to the back pad, pads on the forward ends of said members, removable textile covers adapted to be slipped on said members, leather parts detachably attached to the forward ends of said covers and detachably engaging retaining devices on the said members, and a leather fastening strap detachably attached to one end of a spring-member, substantially as described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

EMERY H. PARKER.

Witnesses:

ROBERT F. MUNSELL,  
L. DONOVAN.

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